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BRIEF TECHNICAL DISCUSSION OF THE INVENTION

(The spaces provided below will expand to meet the jevel of information disclosed.)

What is the problem the invention was designed to respire or what was the technical challenge to be conquered?

There are compalers. They do what computers do and they have shortcomings that people accept because of the benefits of flexibility and expandability and because that is what people are used to with computers.

There are consumer appliances such as TVs, VCRs, electors, etc. They do what they do and they have different shortcomings that people accept because:

When computes and appliances are integrated into a single device that can replace multiple discrete devices including a PC and consumer appliances some of the shortcomings of the PC are no longer acceptable. The worst of these shortcomings is the fact that the PC operating system is designed to be a computer and has interest weaknesses such as taking several minutes to "boot" are start. Also, there is the general instability that is exhibited in the PC market that is not acceptable for consumer appliances.

This invention is designed to alleviate this situation and enable the smooth integration of traditional PC with consumer appliance functionality.

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Provious solutions to this problem homostry involve attempting to make the PC operating system work for both PC and consumer electronics functions. To date this has been less than optimal due to several factors including allow book functions, high cost of PC operating systems, etc.

Another solution is to physically combine independent consumer electronics functions that have independent traduced into the same physical case as the PG. From the outside this does integrate PC and consumer electronics functionality. The difficulty with this expendent is that it can be more expensive, may not loverage common components such as keyboards, builders, displays, etc. It can also load to needless redundancy, such as including a dedicated audio CD player elongaids the PC's CD player.

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This invention involves the use of 2 operating systems running on one collection of hardware to implement both PC and consumer appliance functionally in a striple device. These 2 operating systems would not operate at the same time, but rather one would operate when the collection of hardware was in PC mode and the other operating system would operate when the same collection of hardware was in consumer appliance mode.

The operating system used for consumer appliance mode would have the necessary attributes to satisfy the expectations of the user. For example it would be located in a faster access ROM for instant staffing and it would be very stable.

The operating system used for PC mode would have the necessary attributes to satisfy the expectations of the user. For example it would be located on a hard drive, take felly long to boot, it would be ipplicated by a procedure, very powerful and it would not be as stable as the consumer appliance mode operating system.

The act of turning off PC mode would result in the leimination of the PC operating system and the standing of the "consumer" mode operating system,

The act of furning off consumer appliance mode would result in the instantaneous powering down of the hardware to a power-off or "sleeping" state.

The act of turning on PC mode would rebuil in the templication of the consumer mode observing system and the ectivation of the PC operating system.

To consider an example such as CD etidia playback. When the bevice is in PC mode, the act of inserting a CD into the CD ROM drive will cause the PC operating system such as Windows to launch a PC application and play the CD. When in application mode, the act of the inserting the same autio CD min the CD ROM drive will cause a non-PC application to cause the autio to play. Buttons, telybeards and displays will be used in ethics to control the functionality.